CLAIMS

1. A method for producing an optical link with laser pulses (4) between the emitter (3) of the said pulses and a receiver (1) of the said pulses, the said optical link being used by a locating device for locating a moving body (2) moving away from the said locating device, characterized in that the start of emission of the said laser pulses (4) is delayed with respect to the departure of the said moving body (2) and in that the energy of the said successive laser pulses (4) is varied as an increasing function of the time (t) elapsing since the start of emission of the said laser pulses.

2. The method as claimed in claim 1, wherein the said moving body (2) moves at constant speed, characterized in that the energy of the said successive laser pulses (4) is varied in proportion to the square of the time (t) elapsed since the start of emission of the said pulses.

3. A device for producing an optical link with laser pulses (4) between the emitter (3) of the said pulses and a receiver (1) of the said pulses, the said optical link being used by a locating device for locating a moving body (2) moving away from the said locating device, characterized in that it comprises means (18) for delaying the start of emission of the said laser pulses (4) with respect to the departure of the said moving body (2) and means (5) for varying the energy of the said successive pulses (4) as an increasing function of the time (t) elapsing since the start of emission of the said laser pulses (4).

4. The device as claimed in claim 3, characterized in that the said emitter (3) comprises at least one laser diode.

5. The device as claimed in claim 3, characterized in that the said emitter (3) comprises at least one VCSEL laser.

6. The device as claimed in one of claims 3 to 5, wherein the said moving body (2) moves at constant speed, characterized in that the said means (5) varies the energy of the said successive laser pulses (4) in proportion to the square of the time elapsed since the start of emission of the said pulses.

7. The device as claimed in claim 6, characterized in that it comprises a capacitor (6) whose successive discharges (d1, d2, d3, ...) supply the said emitter (3) in order to produce the said successive laser pulses (4) and whose successive chargings (c1, c2, c3, ...) are controlled by successive rectangular charging pulses (15.1, 15.2, 15.3, ...) whose durations (11, 12, 13, ...) are a linearly increasing function of time (t).